

Power Cost Memorandum Fuel Cost Update

Date: April 20, 2023

Utility Name (Cert. No.) Tanalian Electric Cooperative (447)	Utility File No. PC90-1118DD	Date Filed: April 3, 2023
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PCE AMOUNT SUMMARY	Previously Approved PC90-1118CC	Staff Recommended Amount(s) and Effective Date PC90-1118DD
Class Rate	<u>Date Approved:</u> February 3, 2023	April 21, 2023
Residential	\$0.6202	\$0.6149
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price: \$ 5.9796	New Fuel Purchase Price: \$ 5.9218
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: \$189	Surcharge Change: Previous 0.3900 Updated 0.3900

Weighted Average Fuel Price/Gal. Calculation					
	Gallons		Price		
On-hand before deliv.	7,467	X	5.9796	=	44,649.68
Delivered	43,222	X	5.9119	=	255,522.13
	<u>50,689</u>				<u>\$ 300,171.81</u>
					Weighted Average
					\$ 5.9218

Signed: _____

Brenda Cox
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 4/20/23)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Kurber		<i>KKI</i>		
Doyle		<i>BD</i> BD		
Pickett		<i>BP</i> BP		
Sullivan		<i>BP</i> for DS BP		
Wilson	4/21/23	<i>JWW</i> JWW		

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement. Otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

Tanalian Electric Cooperative

APPENDIX 1

POWER COST EQUALIZATION CALCULATION
BASED ON TEST PERIOD ENDING June 30, 2018
Fuel Cost Update

	PC90-1118CC	PC90-1118DD	
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Generated	866,025	866,025	866,025
B. Total kWh Sold (Appendix 2)	793,477	793,477	793,477
C. Total Non-Fuel Costs (Appendix 2)	213,882	213,882	213,882
D. Non-Fuel Cost/kWh (C / B)	\$0.2696	\$0.2696	\$0.2696
E. Total Fuel Costs (Appendix 2)	459,514	455,075	455,075
F. Fuel Costs/kWh (E / B)	\$0.5791	\$0.5735	\$0.5735
G. Eligible Costs/kWh (D + F)	\$0.8487	\$0.8431	\$0.8431
H. Eligible Cost/kWh (G) Less 19.58 cents/kWh	\$0.6529	\$0.6473	\$0.6473
I. Lesser of (H) or 80.42 cents/kWh	\$0.6529	\$0.6473	\$0.6473
J. Average Class Rates (Appendix 3) Residential	\$0.6824	\$0.6824	\$0.6824
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J) Residential	\$0.6202	\$0.6149	\$0.6149
L. Funding Level in Effect	100%	100%	100%
Residential	\$0.6202	\$0.6149	\$0.6149

PC90-1118DD
Appendix 1

Tanalian Electric Cooperative

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY
BASED ON TEST PERIOD ENDING June 30, 2018

Fuel Cost Update

	PC90-1118CC		PC90-1118DD
	Prior Commission Approval	Per Utility	Staff Recommended
Non-Fuel Costs:			
A. Personnel Costs	80,508	80,508	80,508
B. Operating Expense	6,275	6,275	6,275
C. General & Administrative	58,967	58,967	58,967
D. Depreciation	68,132	68,132	68,132
E. Interest Expense	-	-	-
F. Other (Interest Income)	-	-	-
G. Total Non-Fuel Costs	213,882	213,882	213,882
Fuel Costs:			
H. Gallons Consumed for Electric Generation	76,847	76,847	76,847
I. Wtd. Avg. Price of Fuel	\$5.9796	\$5.9218	\$5.9218
J. Total Cost of Fuel	\$459,514	\$455,075	\$455,075
K. KWh Generated	936,760	936,760	936,760
L. kWh Sales	850,107	850,107	850,107
M. Station Service	22,670	22,670	22,670
N. Efficiency (K/H) Standard ≥ 11.5	12.19	12.19	12.19
O. Line Loss ≤ 12% (kWh generated-(kWh sold + Station Service)/kWh generated)	6.83%	6.83%	6.83%

Weighted Average Fuel Price/Gal. Calculation

	Gallons		Price			
On-hand	7,467	X	5.9796	=	44,649.68	
Delivered	43,222	X	5.9119	=	255,522.13	
	<u>50,689</u>				<u>\$ 300,171.81</u>	Weighted Average
						<u>\$ 5.9218</u>

PC90-1118DD
Appendix 2

Tanalian Electric Cooperative

APPENDIX 3

Calculation of Average Class Rate per kWh

Rate Schedule: Residential

Customer Charge (CC): \$25.00

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+ CC	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.1958 (\$/kWh)
750	0.4549	0.3900	0.8449	658.68	0.8782	0.6824

750 658.68 0.8782 0.6824
TOTAL (A) (E)

Rate Schedule:

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.1958 (\$/kWh)

TOTAL (A) (E)

Computation of Community Facilities Average Rate

Rate Schedule:

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B)	(7) Avg. Rate (\$/kWh) - 0.1958 (\$/kWh)
0 to ∞				
Next to				
Next to				
Next to				
Next to				

Tanalian Electric Coop., Inc.

	Invoice Number	Delivery Date	Gallons	Cost per Gallon	Delivery/ Mark-Up	Total Cost
Beginning Fuel Inventory			7,467			
Last Approved Fuel Cost/Gal.				\$ 5.9796		
Beginning Fuel Inventory in Gallons	X	Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost --->				\$ 44,650
Reporting Period Purchases	2443	01/11/23	3,200.0	6.0280		19,290
	2451	01/25/23	3,201.0	6.5550		20,983
	2459	01/30/23	3,218.0	6.5180		20,975
	2477	02/15/23	3,200.0	6.2720		20,070
	124757	03/02/23	6,000.0	5.6581	567.00	34,516
	124760	03/03/23	4,000.0	5.5881	378.00	22,730
	124763	03/04/23	6,001.0	5.6381	567.00	34,401
	2489	03/07/23	3,200.0	5.9070		18,902
	2497	03/07/23	3,202.0	5.9070		18,914
	124812	03/08/23	4,000.0	5.5281	378.00	22,490
	124816	03/09/23	4,000.0	5.4681	378.00	22,250
						-
Totals for Reporting Period Purchases on this sheet:			43,222			255,522
Grand Totals (beginning inventory plus purchases)	A	50,689				B \$ 300,172

Grand Total Cost divided by Grand Total Gallons = 5.9218 Weighted Avg. Cost per gallon
Purchases: Total Cost divided by Grand Total Gallons = 5.9119 Avg. Cost per gallon

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